BRITISH SOLOMON ISLANDS PROTECTORATE

DEPARTMENT OF AGRICULTURE

RICE REPORT

Second Crop 1968

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HONIARA
1969

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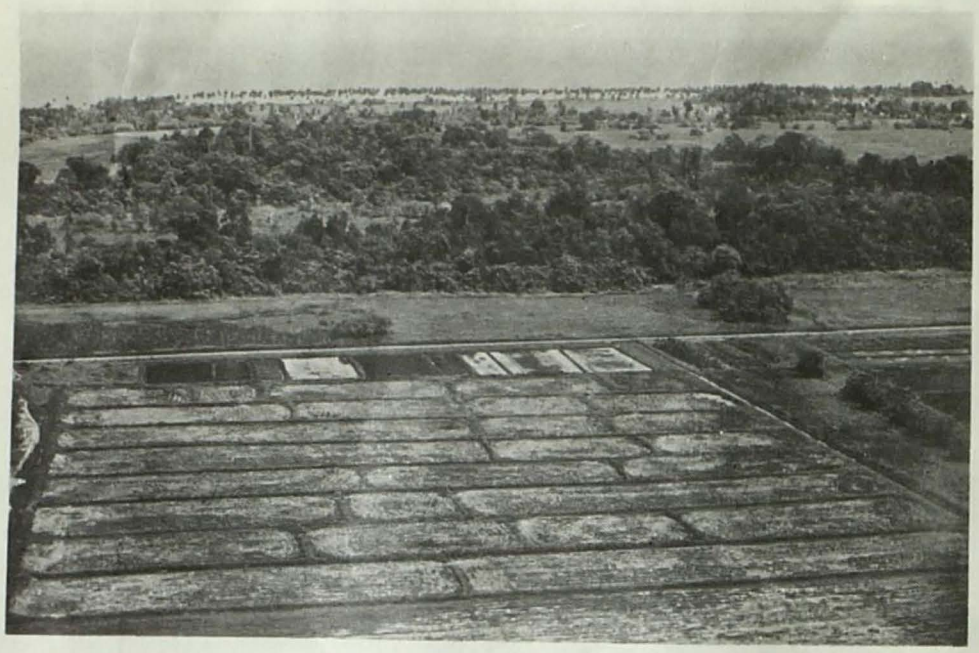

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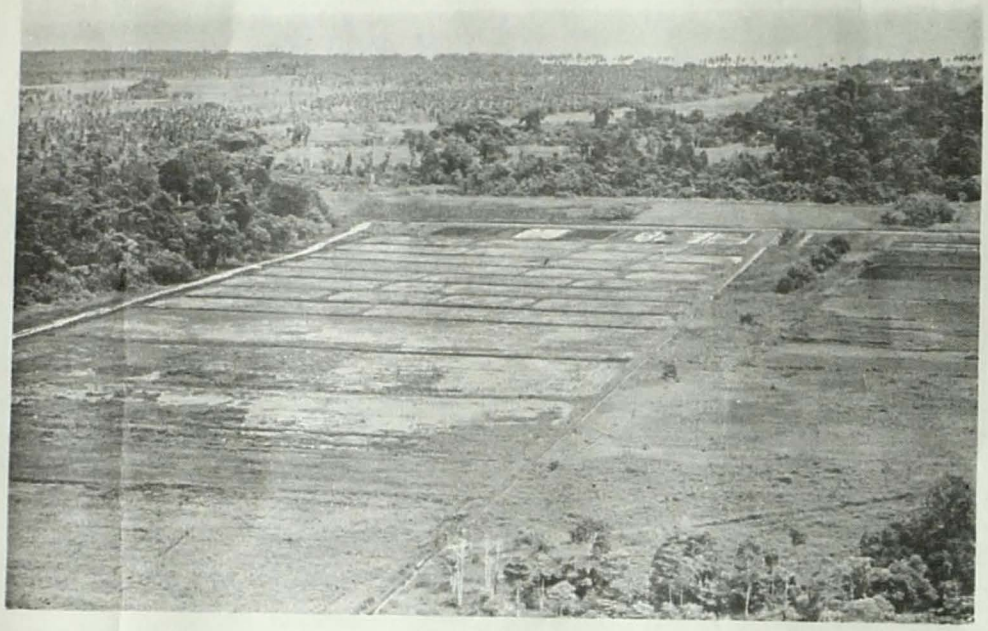

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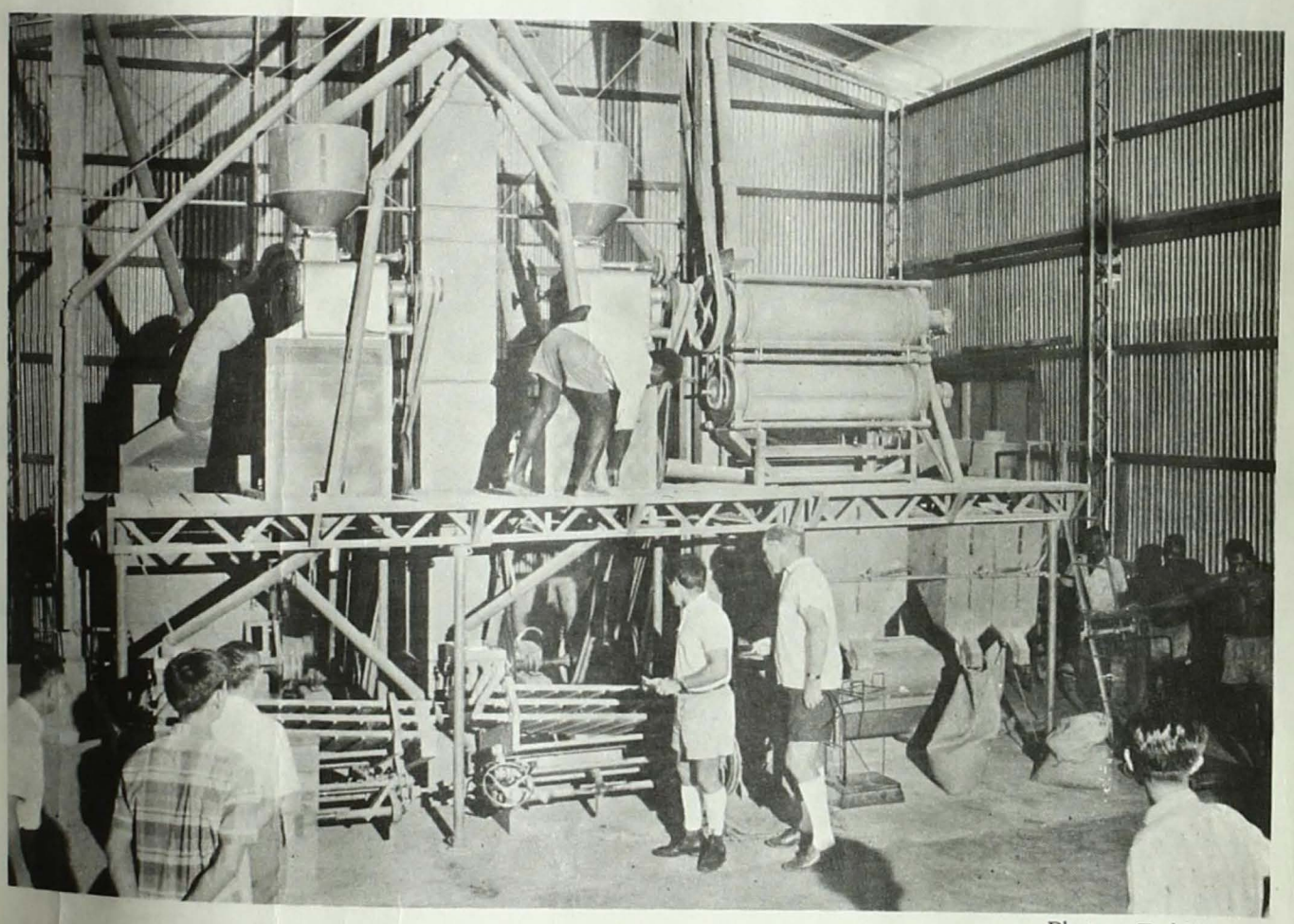

GUADALCANAL PLAINS RICE MILL

Photos: Ted Marriott

EXPERIMENTAL GROWING and BULKING of RICE, SOYABEANS, SORGHUM and COTTON

2ND CROP, 1968, APRIL - DECEMBER

SUMMARY

Staff and labour did not present any problems this season. The rainfall and weather conditions were normal. Irrigation water requirements were low and irrigation canal maintenance was practically nil.

The following planting was done at the experimental area:-

3 acres of rice, 132 soyabean observation plots, 2 soyabean fertiliser trials, one sorghum variety trial, one sorghum observation plot and four cotton observation plots. Some investigations with Gesaprim were carried out.

There were no serious problems with insects in the experimental area. G.P.L. and Mendana Enterprises had some insect problems with their large scale plantings. G.P.L. planted 1154 acres of rice and 915 acres of sorghum.

Mendana Enterprises planted 25 acres of sorghum. One of the soyabean fertiliser trials produced very promising results.

STAFF & LABOUR

Local staff and labour strength consisted of one Field Assistant, four classified workers, three labourers and casual labour if and when required. Classified Worker B. Bonagi was promoted to Classified Worker Grade I w.e.f. 7/10/68. Labourer Simon Boi was promoted to classified worker Grade III w.e.f. 1/9/68. One classified worker and two labourers went on leave.

RAINFALL

Month	Inches
April	6.18
May	2.15
June	1.21
July	6.16
August	4.64
September	4.14
October	5.02
November	5.46
December	11.32

IRRIGATION CANAL

As water demand was very low this season, enough irrigation water was available without much canal maintenance. Just before the onset of the wet season, the irrigation canal was prepared for full capacity performance.

EQUIPMENT

The Land Rover was replaced in October and the tractor will be replaced next year, both giving trouble, and too much time and money was being spent on repairs.

AGRONOMY

Rice

The new variety IR 5 was transplanted on an area of).8 acres and produced 8,300 lbs per acre, 50% was lodged at time of harvesting.

Most of the seed was sold to G.P.L. Two fields 0.9 and 1.4 acres were planted by seed drill to IR 8. One field was not irrigated and the other was flushed when draught conditions occurred. The field was flushed four times. Urea 200 lbs per acre was applied to both fields.

Flushed	2991 lbs per acre
Not irrigated	524 lbs per acre

Growing dry rice in the wet season is hazardous and in the dry season even more so.

Quality IR 8 consumption rice

As verious adverse reports on the quality of IR 8 were received, different kinds of tests were carried out, such as % head rice, cooking quality and taste of five different grades. All grades were tested and were found to be acceptable to the testing panel, consisting of locals and expatriates.

SOYABEANS

One hundred and thirty-two observation plots were planted. Each variety was planted twice. Threr were 24 previously planted varieties and 42 recently imported varieties from Zambia, S. Rhodesia and Fiji. The seed of many of the newly introduced varieties had a low germination. Details are at Appendices I and II. The following varieties yielded best:-

HLS 147(No. 1)	HER (No. 10)	Wilson Black (No. 33)
Sangalo (No. 49)	IH 55 F4/64 (No. 129)	3H 55 F4/149/1 (No. 134)
3H 55 F4/9/1 (No. 135)	3H 55 F4/1 (No. 136)	3H 55 F4/125/1 (No. 138)
3H 55 F4/174/1 (No. 144)	HLS 223 (No. 150).	

FERTILIZER TRIALS

Yields, bean size and oil content of the locally produced soyabeans have been disappointing. Private enterprise has found the growing of soyabeans to be uneconomical and has ceased growing them. It was thought that with improved cultural methods, yields and quality may be improved. The recently realised probable "S" deficiency in the soils of the Plains was also a factor which gave us hope for improvement in the soyabean yield.

Fertilizer Trial I

A factorial fertilizer trial with N, P and K with four replicates was planted.

N	50 lbs per acre	(238 lbs per acre sulphate of ammonia).
P	60 lbs per acre	(133 lbs per acre Triple superphosphate).
K	60 lbs per acre	(120 lbs per acre Sulphate of Potash).

Plot sizes were 28' x 9½', plots were separated by 3' paths the plots were split for the comparison of effect on yields with the use of inoculant and no inoculant. Seed was dibbled in rows 1' apart at 60 lbs per acre. The variety used was "Light Speckled".

Yield in lbs per acre

Treatment	No inoculant	Inoculant
N	1299	1374
NP	1299	1374
NK	1238	1349
NPK	1336	1411
P	1386	1497
	1151	1398

Treatment	No inoculant	Inoculant
K	1250	1423
Control	1299	1324
Mean	1282	1394

The treatment of phosphate and inoculant yielded the highest. No significant results were obtained from the fertilizer treatments. The use of inoculant for each treatment gave a considerable increase. These increases were highly significant (1% level). Analyses were done by staff of the International Rice Research Institute.

Experiment II

This experiment was carried out on land at Okea which belongs to Guadalcanal Plains Limited. The experiment was a 2 x 2 factorial with Urea (200 lbs per acre) and elemental sulphur (100 lbs per acre) as the main treatments in four randomised blocks. The main treatments were:-

2 Urea
3 Sulphur
4 Urea + sulphur

Each plot was split for seed inoculation in one subplot and none on the other one. Plot sizes were 20' x 10' seedrate was 60 lbs per acre and row spacing was 1'. The variety used was "Light Speckled". The fertilizer was applied at time of planting. In preliminary observations it was shown that applying Urea and S at time of planting did not adversely effect the seed germination.

YIELD IN LBS PER ACRE

Treatment	Not Inoculated			Inoculated		
	High	Low	Mean	High	Low	Mean
Control	1610	812	1323	1752	1457	1615
Urea	1653	1355	1513	1805	1695	1773
S	1856	1056	1391	2403	2097	2280
Urea + S	2081	1694	1835	2744	2442	2572

The highest producing treatment is Urea + S + inoculant, which had an increase of 94% over control.

Experiments 1 and 2 were grown under approximately the same conditions. Trial I was planted on an area which had been fallow for about 20 years and was overgrown by grasses and mimosa. Trial II was planted on virgin land about two miles away from I and was covered by grasses. Trial I gave disappointing results; Trial II gave excellent ones. Preliminary results of oil content and crude protein tests of the Trial No. II have given 18.0% oil and 42.5% crude protein for control and 17.2% oil and 47.5% crude protein for the Urea and S treatment. However, conclusions should not be drawn yet from this information.

SORGHUM

Sorghum Variety Trial

Ten varieties were planted in a variety trial with four

replicates. Plot sizes were 24' x 6', the seed was drilled in rows 6" apart at the rate of 8 lbs per acre. Two weeks after planting, Urea at a rate of 150 lbs per acre was applied as a side dressing. After harvesting the first time the stalks were left in the fields and a second crop was harvested at a later date.

Variety	Time to Maturity 1st Crop	Yield in lbs/acre			Time to Maturity 2nd Crop	Yield in lbs/acre			Total Yield in lbs/acre		
		High	Low	Mean		High	Low	Mean	High	Low	Mean
NK 200	86 days	3643	2772	3119	72 days	2297	1267	1851	5940	4039	4970
NK 212	88 "	5465	4633	4970	74 "	2218	752	1663	7683	5385	6633
NK 310	86 "	3208	2336	2723	72 "	4633	3802	4128	7841	6138	6851
NK 220Y	86 "	4000	2970	3594	72 "	3208	1901	2723	7208	4871	6317
Pioneer 846	97 "	5584	3485	4584	68 "	1505	1228	1386	7089	4713	5970
C 44 B	86 "	5029	4237	4703	81 "	1742	634	1208	6771	4871	5911
E 57	95 "	5504	4950	5207	74 "	871	317	554	6375	5267	5761
C 45	86 "	4435	3406	3950	76 "	1346	871	1139	5781	4277	5089
F 64	88 "	5346	4871	5108	74 "	2218	1228	1782	7564	6099	6890
Alpha	86 "	3524	2891	3218	72 "	3128	2455	2752	6652	5346	5970

E 57 produced the highest in the first crop. F64 produced the highest in the 1st crop and the ratoon crop.

COTTON

Sea Island cotton, which had been planted at the Dala (Malaita) Agricultural Research Station, has now been planted at the Rice Scheme in observation plots.

Over a period of two months three harvestings were done.

Name	Yield seed cotton/acre
M.S. 1	88 lbs
B.S. 1	116 "
U.H. 8	170 "
U.H. 10	65 "

WEEDICIDE INVESTIGATIONS

Gesaprim (Atrazine) which has been used to control weeds in sorghum fields is reported to have an adverse effect on rice which is grown after the sorghum crop.

Gesaprim Application	Date	Rice Planting Date	Germination	Establishment after 3 weeks	Yield not available yet
6 lbs/acre in 5 gl water	16-5-68	20-8-68	16%	Fair	"
-	-	28-8-68	17%	Poor	"
6 lbs/acre in 45 gls water	27-5-68	27-8-68	20%	Good	"
-	-	27-8-68	22%	Good	"

Seed rice had a high plate germination, it is not understood why field germination was low in the untreated plots. The Gesaprim investigations should be continued during the 1st crop in 1969.

GUADALCANAL PLAINS LIMITED: This Company planted 1154 acres of dry rice. At time of writing this report, yield figures were not available yet. Draught conditions, weeds and insects were responsible for a severe yield depression. Nine hundred and fifteen acres of sorghum averaged $\frac{3}{4}$ ton per acre.

Struchium sp were the main weed this time, army worm and grasshoppers needed controlling. Delphacids were practically absent during this season.

MENDANA ENTERPRISES: The very promising looking sorghum crop was only partly harvested because of adverse weather conditions.

J. Holsheimer
AGRICULTURAL OFFICER RICE EXPERIMENTS

APPENDIX I

Soyabean Observation Plots I and II

NO.	CSIRO NO.	NAME	ORIGIN	Planting Date	Bean Colour	Time to maturity in days	Plant Length in inches	Pods off the ground in inches	Lodging	Shedding leaves	Shattering	Yield lbs per acre	Ripening	Remarks
1	-	HLS 147	Tang.*	28-3-68	White	112	41.8	8.2	N.R.	Yes	R	2455	N.E.	poor germ'n
1	-	HLS147	"	16-4-68	"	119	47.4	5.4	N.R.	Yes	R	2957	N.E.	-
2	-	HLS 154	"	28-3-68	"	112	44.8	8.6	F.R.	Yes	R	2567	N.E.	poor germ'n
2	-	HLS 154	"	16-4-68	"	117	44.0	7.2	N.R.	Yes	R	2399	N.E.	-
3	-	HLS 167	"	28-3-68	"	112	45.4	8.4	N.R.	Yes	R	1897	N.E.	p.g.
3	-	HLS 167	"	16-4-68	"	117	48.0	4.4	N.R.	Yes	R	2511	N.E.	-
4	-	HLS 219	"	28-3-68	"	108	34.4	5.8	F.R.	Yes	R	1562	N.E.	p.g. v.sm.bns
4.	-	HLS 219	"	16-4-68	"	107	39.6	6.8	N.R.	Yes	R	1953	N.E.	-
5	-	HLS 223	"	28-3-68	"	112	34.0	3.6	R	Yes	R	2399	N.E.	p.g.
5	-	HLS 223	"	16-4-68	"	107	38.8	3.6	F.R.	Yes	R	2511	N.E.	-
6	-	HLS 239	"	28-3-68	"	110	46.2	10.2	R	Yes	R	1897	N.E.	p.g.
6	-	HLS 239	"	16-4-68	"	119	41.2	7.0	NR	Yes	R	2344	N.E.	-
7	-	HLS 241	"	28-3-68	"	110	44.4	7.8	R	Yes	R	2567	N.E.	-
7	-	HLS 241	"	16-4-68	"	107	36.2	8.0	FR	Yes	R	2288	N.E.	-
8	-	HLS 263	"	28-3-68	"	110	45.0	9.2	R	Yes	R	2120	N.E.	-
8	-	HLS 263	"	16-4-68	"	107	41.6	10.8	FR	Yes	R	2120	N.E.	-

Appendix 1 (cont)

SOYA BEAN OBSERVATION PLOTS I & II

NO.	C.S.I.R.O. NO.	NAME	ORIGIN	PLANTING DATE	BEAN COLOUR	TIME TO MATURITY IN DAYS	PLANT LENGTH IN INCHES	PODS OFF THE GROUND IN INCHES	LODGING	SHEDDING LEAVES	SHATTERING	YIELD LBS/ACRE	RIPENING	REMARKS
9	-	HLS 273	Tang.*	28-3-68	White	110	41.8	9.2	F.R.	Yes	R	2120	N.E.	poor germination.
9	-	HLS 273	"	16-4-68	"	107	40.6	5.6	N.R.	Yes	R	1897	N.E.	"
10	-	HER	"	28-3-68	"	112	42.6	7.6	N.R.	Yes	R	2288	N.E.	"
10	-	HER	"	16-4-68	"	117	42.6	5.8	N.R.	Yes	R	2790	N.E.	
22	14974	Seminole	Israel	28-3-68	"	94	28.4	3.4	R	Yes	NR	1674	E.	"
22	14974	Seminold	"	16-4-68	"	93	24.6	3.8	R	Yes	NR	2344	N.E.	
31	15666		Tang.*	28-3-68	"	110	8.0	1.0	R	Yes	R	-	E.	5 pls only
31	15666		"	6-4-68	"	103	10.2	2.4	R	Yes	NR	1451	N.E.	lg beans
33	15679	Wilson Black	"	28-3-68	Black	94	38.2	5.6	R	Yes	NR	2399	E.	
33	15679	"	"	16-4-68	"	93	34.2	5.6	R	Yes	R	2678	N.E.	
34	15680	Yellow Kedele	"	28-3-68	White	94	39.8	6.6	R	Yes	R	2288	E.	
34	15680	"	"	16-4-68	"	91	34.6	7.4	R	Yes	NR	2176	N.E.	
36	15939	"	"	28-3-68	Brown	96	28.8	2.8	R	Yes	R	1786	E.	poor germination
36	15939	"	"	16-4-68	"	93	25.0	6.0	R	Yes	R	2734	N.E.	
39	15941	C.N.S.	"	2[illegible]-3-68	"	94	31.6	4.4	R	Yes	NR	2399	E.	
39	15941	C.N.S.	"	16-4-68	"	89	31.6	5.2	R	Yes	R	2511	N.E.	
43	15947	Hernon36	"	28-3-68	White	101	14.2	1.1	R	Yes	R	-	E.	15 pls only
43	15941	Hernon36	"	16-4-68	"	98	13.2	3.8	R	Yes	R	1786	N.E.	seed lrge
45	15951	Light Speckled	"	28-3-68	"	94	31.0	6.0	R	Yes	R	1897	E.	
45	15951	"	"	16-4-68	"	89	35.2	7.6	R	Yes	R	2344	E.	
48	15954	Palmetto	"	28-3-68	"	94	25.0	4.2	R	Yes	R	1841	E	pr.germtn
49	15957	Sangalo	"	28-3-68	"	94	40.2	6.8	R	Yes	R	2455	E	
48	15944	Palmetto	"	16-4-68	"	89	29.8	5.6	FR	Yes	R	2344	NE	
49	15957	Sangalo	"	16-4-68	"	91	33.2	5.0	R	Yes	R	2567	NE	
52	16680	-	"	28-3-68	"	94	38.4	5.6	R	Yes	R	2455	E	
52	16680	-	"	16-4-68	"	89	33.8	7.8	R	Yes	R	2288	E	
58	17742	Congo	Sudan	28-3-68	"	94	29.0	3.4	R	Yes	R	1786	E	
58	17742	"	"	16-4-68	"	89	32.8	4.4	R	Yes	R	2288	E	

Appendix 1 (cont)

SOYA BEAN OBSERVATION PLOTS I & II

NO.	C.S.I.R.O. NO.	NAME	ORIGIN	PLANTING DATE	BEAN COLOUR	TIME TO MATURITY IN DAYS	PLANT LENGTH IN INCHES	PODS OFF THE GROUND IN INCHES	LODGING	SHEDDING LEAVES	SHATTER-ING	YIELDS LBS/ACRE	RIPENING	REMARKS
64	17977	S.H. 30	Congo	28-3-68	White	98	28.4	3.8	R	Yes	R	1562	E	p.g. lrge beans
64	17977	S.H. 30	"	16-4-68	"	98	27.2	6.2	R	Yes	R	2455	NE	lrge bean
94	31563	-	-	28-3-68	"	101	18.0	2.2	R	Yes	R	-	-	6 plts only lrge beans
94	31563	-	-	16-4-68	"	91	23.0	5.0	R	Yes	R	1730	NE	lrge beans
111		Hernon 107	Sth'n Rhodesia	28-3-68	"	101	11.7	1.0	R	Yes	R	-	E	3 plants only, lrge beans
111		"	"	16-4-68	"	98	12.6	1.4	R	Yes	R	1172	NE	lrge beans
112		"135	"	28-3-68	"	101	9.6	2.0	R	Yes	R	-	E	8 plants only, lrge beans
112		"135	"	16-4-68	"	93	12.6	2.8	R	Yes	R	2009	NE	lrge beans
113		"147	"	28-3-68	"	96	13.8	2.4	R	Yes	NR	-	E	29 plants only lrge beans
113		"147	"	16-4-68	"	91	12.6	3.0	R	Yes	R	2009	NE	lrge beans
114		"237	"	28-3-68	"	101	22.4	3.4	R	Yes	R	-	E	6 plants only
114		"237	"	16-4-68	"	91	27.2	5.0	R	Yes	R	2009	NE	lrge beans
115		"273	"	28-3-68	"	101	10.0	1.0	R	Yes	R	-	-	1 plant only lrge beans
115		"273	"	16-4-68	"	93	13.2	1.8	R	Yes	R	1228	NE	lrge beans
116	279	"279	"	28-3-68	"	101	10.0	1.0	R	Yes	R	-	-	2 plants only lrge beans
116	279	"279	"	16-4-68	"	93	11.2	1.2	R	Yes	R	1451	NE	lrge beans

Appendix I (cont)

SOYA BEAN OBSERVATION PLOTS I & II

NO.	C.S.I.R.O. NO.	NAME	ORIGIN	PLANTING DATE	BEAN COLOUR	TIME TO MATURITY IN DAYS	PLANT LENGTH IN INCHES	PODS OFF THE GROUND IN INCHES	LODGING	SHEDDING LEAVES	SHATTERING	YIELD LBS/ACRE	RIPENING	REMARKS
117		Hood	Sth'n Rhodesia	28-3-68	white	98	8.0	2.0	R	Yes	R	-	E	1 plant only lrge beans
117		Hood	"	16-4-68	"	93	9.2	2.2	R	Yes	R	1283	NE	lrge beans
118		Hill	"	28-3-68	"	94	8.6	2.0	R	Yes	NR	558	E	pr germtn
118		Hill	"	16-4-68	"	82	10.0	2.8	R	Yes	NR	1841	E	-
119		Gedulo	"	28-3-68	"	101	18.0	2.0	R	Yes	R	-	E	1 plant only lrge beans
119		Gedulo	"	16-4-68	"	100	17.0	1.4	R	Yes	R	1060	NE	pr.germtn lrge beans
120		Hardee	"	28-3-68	-	-	-	-	-	-	-	-	-	no germination
120		Hardee	"	16-4-68	white	100	7.4	1.8	R	Yes	R	-	NE	7 plants only lrge beans
121		Yellow Avoyelles	"	28-3-68	"	101	21.5	1.0	R	Yes	R	-	E	2 plants only
121		"	"	16-4-68	"	91	21.8	3.0	R	Yes	R	1618	NE	
122		56 S 30	"	28-3-68	"	103	25.0	1.0	R	Yes	R	-	-	1 plant only
122		56 S 30	"	16-4-68	"	91	23.2	3.4	R	Yes	R	2344	NE	
123		59 S 143	"	28-3-68	"	98	18.5	2.0	R	Yes	R	-	E	2 plants only
123		59 S 143	"	16-4-68	"	91	20.8	2.4	R	Yes	R	1841	NE	
124		Halesog	"	28-3-68	"	98	8.0	2.0	R	Yes	R	-	E	2 plants only probably high producer
124		Halesog	"	16-4-68	"	91	8.8	2.2	R	Yes	R	-	NE	18 p.o.
125		Peli•on	"	28-3-68	"	98	25.0	2.0	R	Yes	R	1451	E	pr.germtn

Appendix I (cont)

SOYA BEAN OBSERVATION PLOTS I & II

NO.	C.S.I.R.O. NO.	NAME	ORIGIN	PLANTING DATE	BEAN COLOUR	TIME TO MATURITY IN DAYS	PLANT LENGTH IN INCHES	PODS OF THE GROUND IN INCHES	LODGING	SHEDDING LEAVES	SHATTER-ING	YIELD LBS/ACRE	RIPENING	REMARKS
125		Pelican	Sth'n Rhodesia	16-4-68	white	91	22.4	5.0	R	Yes	R	1897	NE	-
126		PI 215.691	Br. Honduras	28-3-68	"	101	30.8	4.2	R	Yes	R	1786	E	poor germin-ation
126		PI 215.691	"	16-4-68	"	98	27.6	5.4	R	Yes	R	2120	NE	

* Tanganyika

APPENDIX II

SOYABEAN OBSERVATION PLOTS III & IV

NO.	NAME	ORIGIN	PLANTING DATE	BEAN COLOUR	TIME TO MATURITY IN DAYS	PLANT LENGTH IN INCHES	PODS OFF THE GROUND IN INCHES	LODGING	SHEDDING LEAVES	SHATTERING	YIELD LBS/ACRE	RIPENING	REMARKS
127	IH55F4/192	Tanzania	6-5-68	White	114	26.4	5.8	R	Yes	R	2176	NE	
127	IH55F4/192	"	11-6-68	"	126	23.0	3.0	NR	Yes	NR	1562	NE	
128	IH55F4/50	"	6-5-68	"	120	28.4	7.4	R	Yes	R	1618	NE	
128	IH55F4/50	"	11-6-68	"	131	26.0	4.0	R	Yes	R	1953	E	
129	IH55F4/64	"	6-5-68	"	120	28.6	7.6	R	Yes	R	2734	NE	
129	IH55F4/64	"	11-6-68	"	126	27.4	3.2	NR	Yes	R	2846	E	
130	IH55F4/143	"	6-5-68	"	114	20.4	3.4	R	Yes	R	1786	NE	
130	IH55F4/143	"	11-6-68	"	126	23.6	2.8	NR	Yes	R	614	E	
131	3H55F4/9/2	"	6-5-68	"	114	26.4	6.0	R	Yes	R	2623	NE	
131	3H55F4/9/2	"	11-6-68	"	126	26.2	2.8	NR	Yes	R	2065	NE	
132	3H55F4/167/2	"	6-5-68	"	120	18.8	4.2	R	Yes	R	2567	NE	seed v/sml.
132	3H55F4/167/2	"	11-6-68	"	120	23.0	2.6	NR	Yes	R	1786	NE	
133	3H55F4/1/2	"	6-5-68	"	120	22.4	5.0	R	Yes	R	1841	NE	
133	3H55F4/1/2	"	11-6-68	"	135	26.6	4.0	R	Yes	R	1562		
134	3H55F4/149/1	"	6-5-68	"	114	28.4	5.4	R	Yes	R	2957	E	
134	3H55F4/144/1	"	11-6-68	"	113	22.6	3.6	NR	Yes	R	2678	E	
135	3H55F4/149/1	"	6-5-68	"	114	37.0	4.8	R	Yes	R	2678	E	
135	3H55F4/9/1	"	11-6-68	"	121	25.6	2.6	NR	Yes	R	2790	NE	
136	3H55F4/1	"	6-5-68	W	114	34.6	6.6	R	Yes	R	2623	NE	
	"	"	11-6-68	"	126	29.6	2.4	NR	Yes	NR	2957	E	
137	3H55F4/9/3	"	6-5-68	"	120	25.2	5.4	R	Yes	R	2623	NE	
137	3H55F4/9/3	"	11-6-68	"	126	26.6	3.0	NR	Yes	NR	2344	E	
138	3H55F4/125/1	"	6-5-68	"	120	25.2	5.0	R	Yes	R	2846	NE	
	"	"	11-6-68	"	126	33.0	3.2	NR	Yes	R	2399	NE	
139	3H55F4/1/6	"	6-5-68	"	120	19.2	4.8	R	Yes	R	2176	NE	
	"	"	11-6-68	"	126	24.0	2.8	NR	Yes	R	1674	NE	
140	3H55F4/173/1	"	6-5-68	"	120	22.2	5.2	R	Yes	R	1730	NE	
	"	"	11-6-68	"	135	31.0	5.0	R	Yes	R	1172	E	
141	3H55F4/8/3	"	6-5-68	"	120	26.4	3.0	R	Yes	R	2623	NE	
141	"	"	11-6-68	"	126	23.4	3.0	NR	Yes	R	2065	NE	
142	3H55F4/15/1	"	6-5-68	"	114	27.2	5.2	R	Yes	R	2567	NE	
142	3H55F4/15/1	"	11-6-68	"	120	22.6	2.8	NR	Yes	R	2120	E	

APPENDIX II

SOYABEAN OBSERVATION PLOTS III & IV

(cont.)

NO.	NAME	ORIGIN	PLANTING DATE	BEAN COLOUR	TIME TO MATURITY IN DAYS	PLANTING LENGTH IN INCHES	PODS OFF THE GROUND IN INCHES	LODGING	SHEDDING LEAVES	SHATTERING	YIELD LBS/ACRE	RIPENING	REMARKS
143	3H55F4/12/1	Tanzania	6-5-68	White	114	22.8	5.0	R	Yes	R	1953	NE	
143	"	"	11-6-68	"	126	18.0	2.6	NR	Yes	R	-	E	13 plants only
144	3H55F4/174/1	"	6-5-68	"	120	22.4	6.4	R	Yes	R	2399	NE	
144	"	"	11-6-68	"	120	29.2	3.0	NR	Yes	R	2790	NE	
145	7H55F4/97	"	6-5-68	"	114	19.0	3.4	R	Yes	R	1562	NE	
145	"	"	11-6-68	"	131	20.2	3.0	R		NR	558	E	
146	7H55F4/101	"	6-5-68	"	120	18.0	3.2	R	Yes	R	1562	NE	
146	"	"	11-6-68	"	126	22.0	2.2	NR	Yes	R	-	NE	5 " "
147	7H55F4/118	"	6-5-68	"	120	28.8	5.0	R	Yes	R	1786	NE	
147	"	"	11-6-68	"	125	29.2	3.0	R	Yes	R	1953	E	
148	9H55F4/100/5	"	6-5-68	"	120	27.8	6.2	R	Yes	R	2623	NE	
148	"	"	11-6-68	"	126	23.6	2.8	NR	Yes	R	2120	NE	
149	9H55F4/58/1	"	6-5-68	"	114	20.6	3.4	R	Yes	R	1562	NE	
149	"	"	11-6-68	"	119	19.8	3.0	NR	-	R	-	E	10 " "
150	HLS 223	"	6-5-68	"	114	26.2	4.2	R	Yes	R	3069	NE	
150	"	"	11-6-68	"	120	25.0	3.2	NR	-	R	-	E	18 " "
151	"	"	6-5-68	"	114	21.8	3.0	R	Yes	R	1841	NE	
151	"	"	11-6-68	"	120	23.2	1.8	NR	Yes	R	2065	E	
110	NG 5293 Mission	"	6-5-68	"	100	6.4	1.2	R	Yes	NR	-	E	6 " " no germination.